

Appendix Test Data

Report No.:	18220WC20130902	Test Sample No.:	1-2-2
Start Test Date:	2022.6.20	Finish Test Date:	2022.6.25
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	23.9℃	Relative Humidity:	53.4 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.808	2401.592	2402.400	≥0.5	PASS
		2440	0.776	2439.608	2440.384	≥0.5	PASS
		2480	0.780	2479.608	2480.388	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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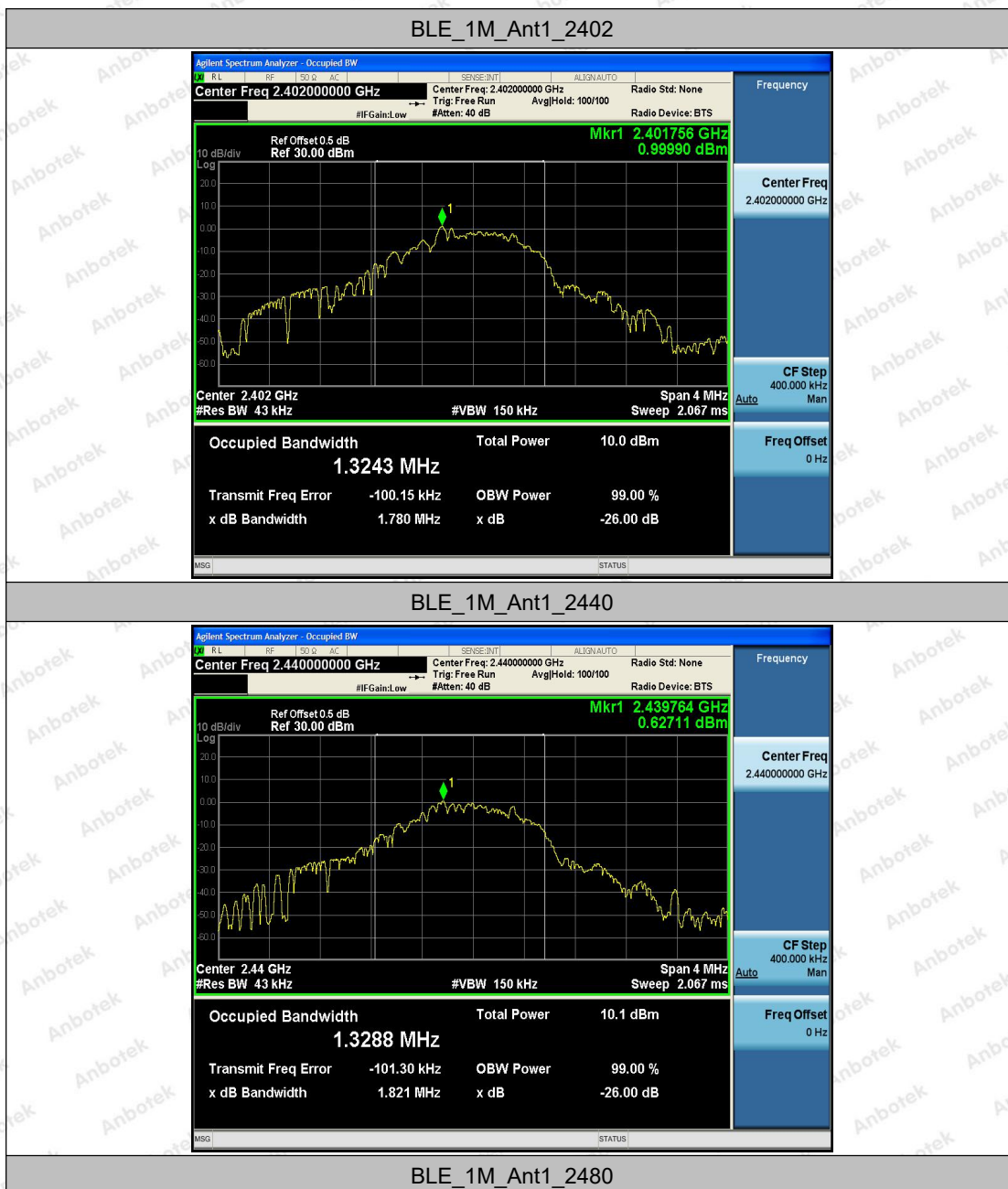
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.3243	2401.238	2402.562	---	PASS
		2440	1.3288	2439.234	2440.563	---	PASS
		2480	1.2660	2479.291	2480.557	---	PASS

Test Graphs



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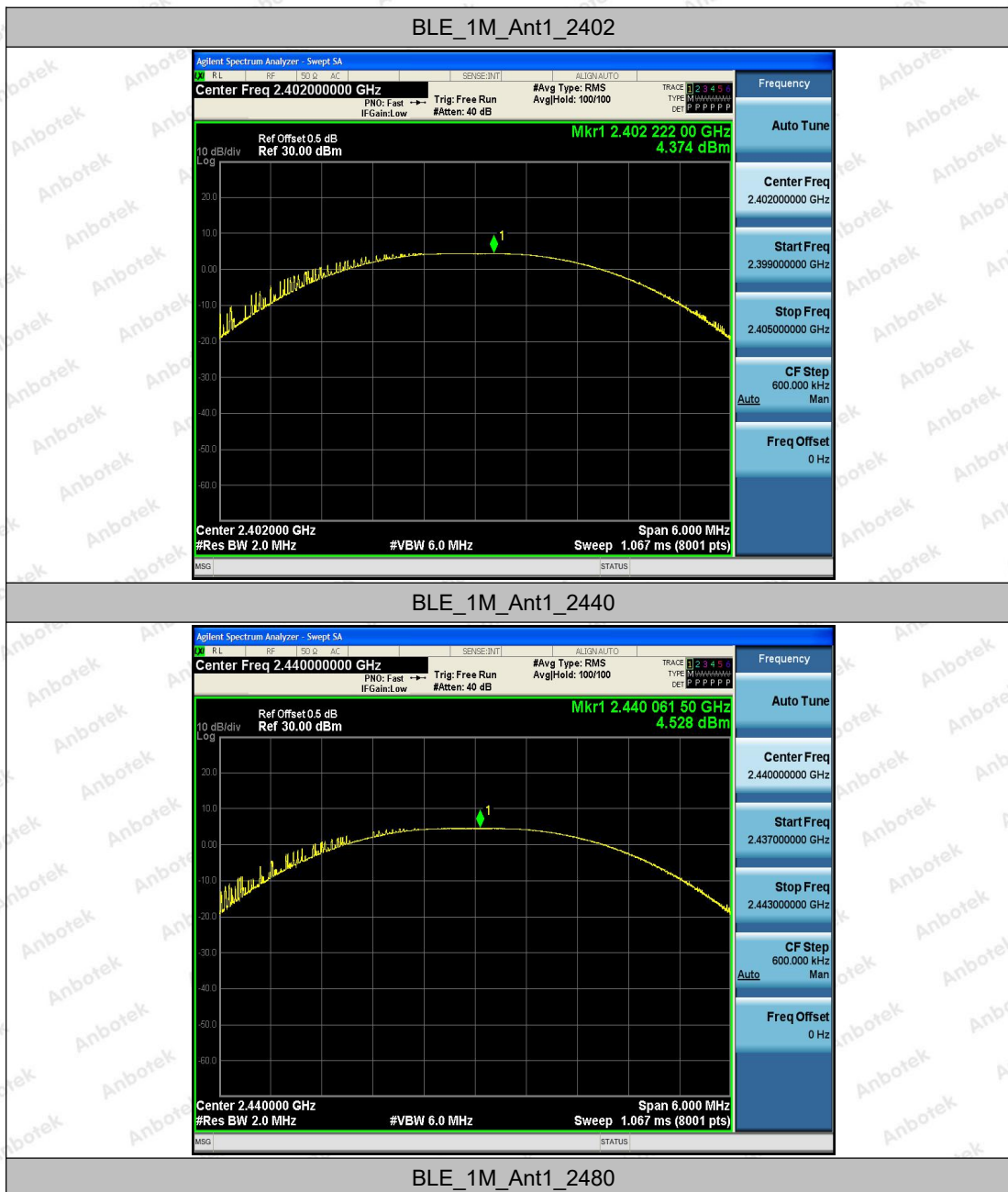
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.37	≤30	PASS
		2440	4.53	≤30	PASS
		2480	4.43	≤30	PASS

Test Graphs



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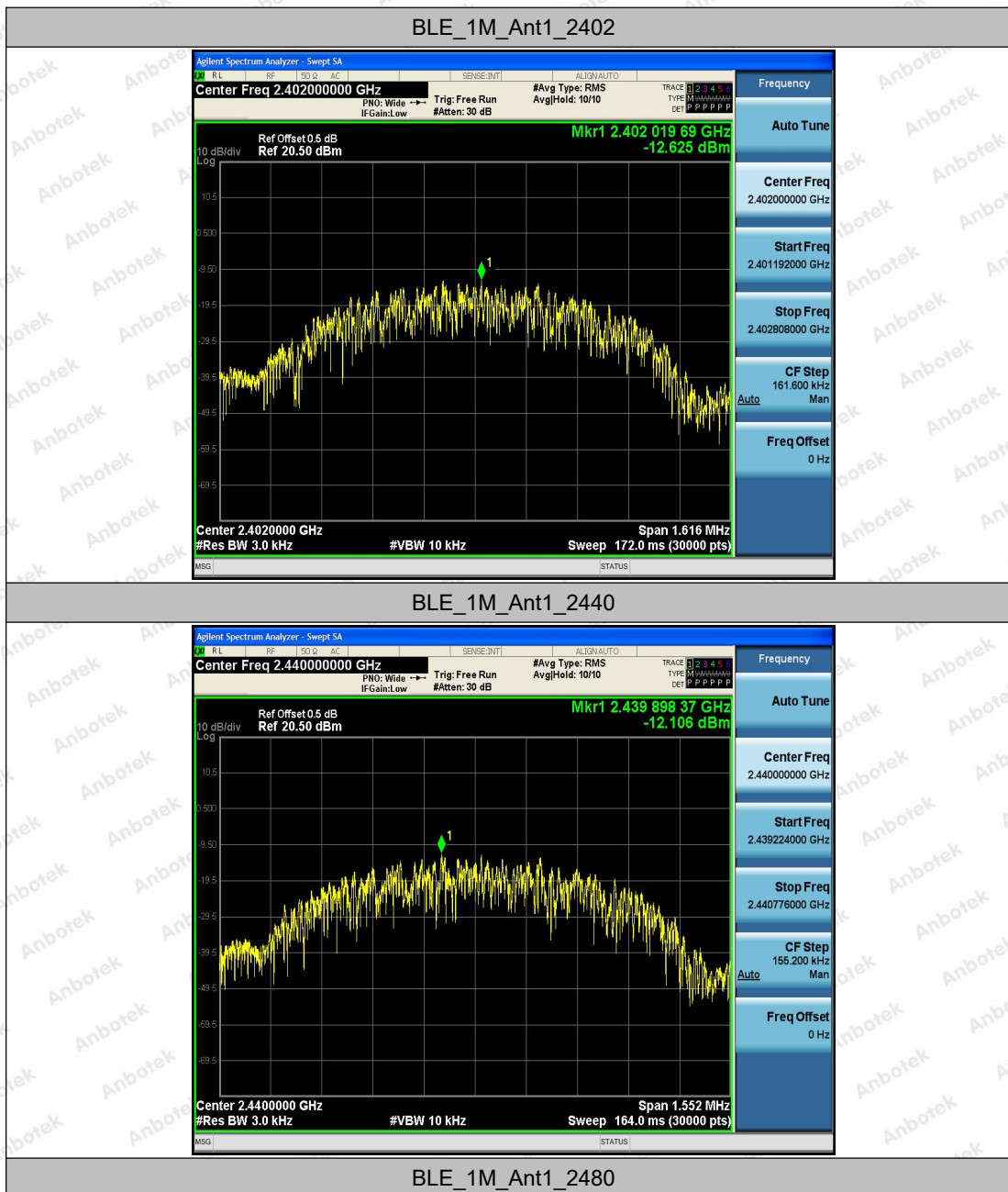
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.63	≤8	PASS
		2440	-12.11	≤8	PASS
		2480	-12.5	≤8	PASS

Test Graphs

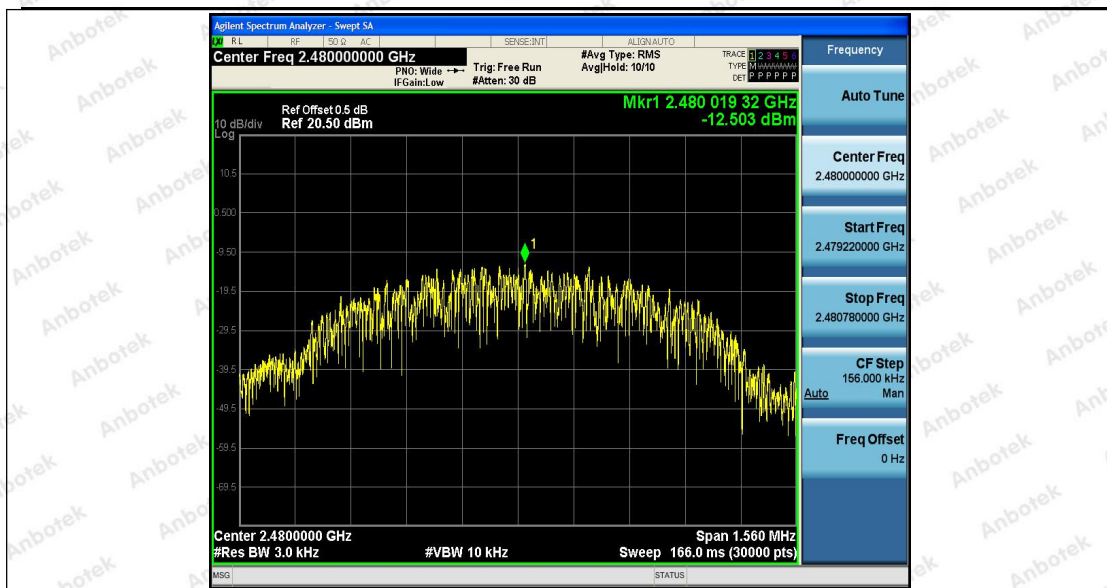


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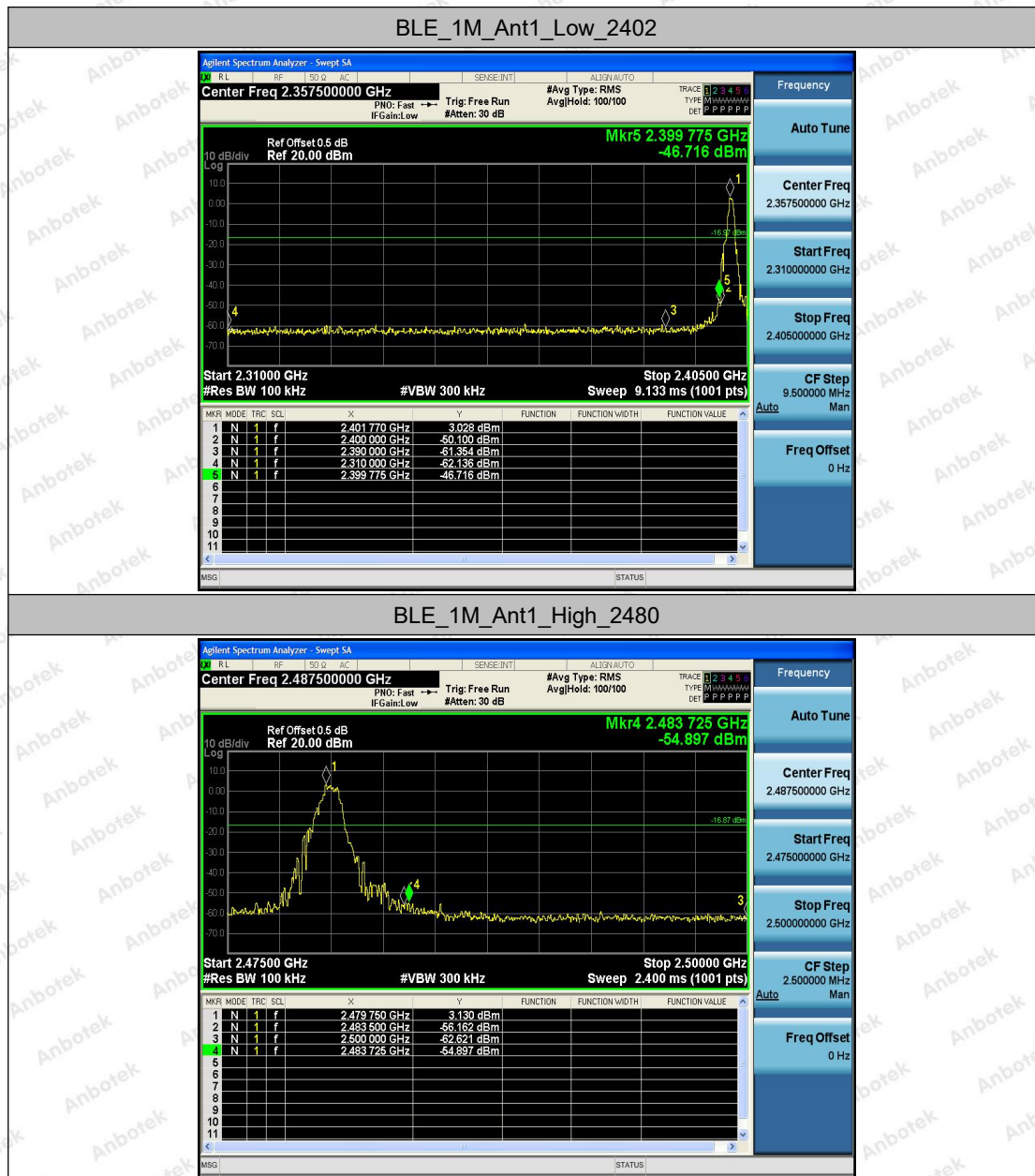
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.03	-46.72	≤ -16.97	PASS
		High	2480	3.13	-54.9	≤ -16.87	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

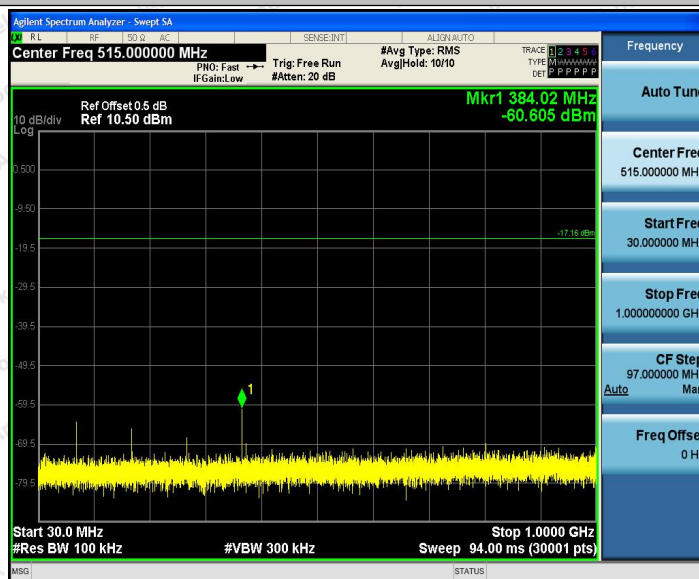
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.84	2.84	---	PASS
			30~1000	2.84	-60.61	≤-17.16	PASS
			1000~265 00	2.84	-42.34	≤-17.16	PASS
		2440	Reference	2.98	2.98	---	PASS
			30~1000	2.98	-60.41	≤-17.02	PASS
			1000~265 00	2.98	-44.5	≤-17.02	PASS
		2480	Reference	2.93	2.93	---	PASS
			30~1000	2.93	-58.33	≤-17.07	PASS
			1000~265 00	2.93	-42.02	≤-17.07	PASS

Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



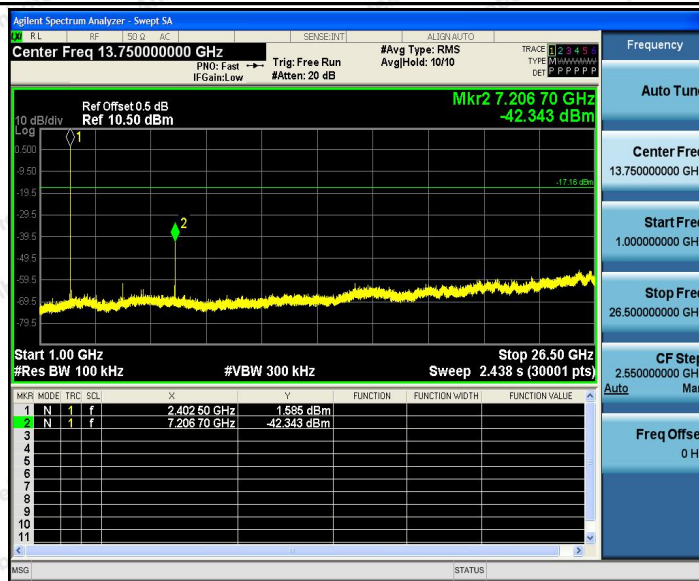
BLE_1M_Ant1_2402_1000~26500

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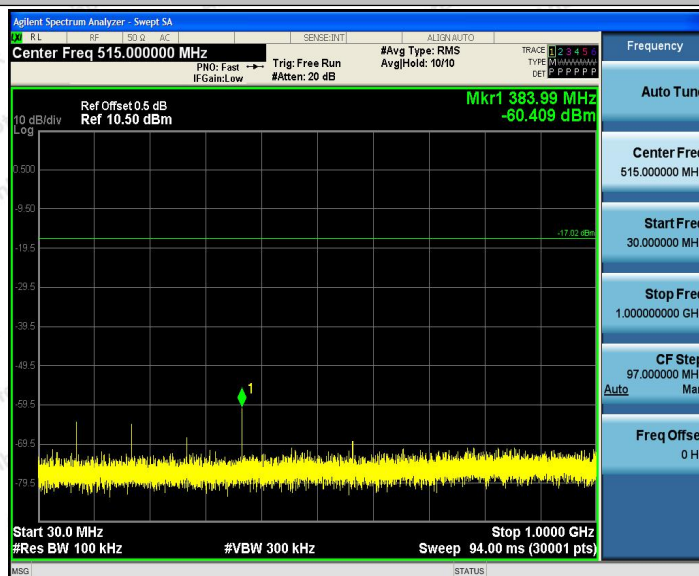
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



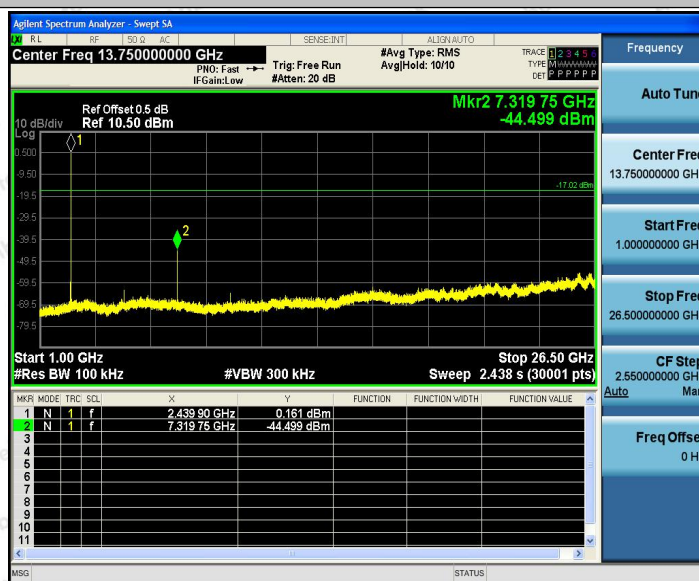
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



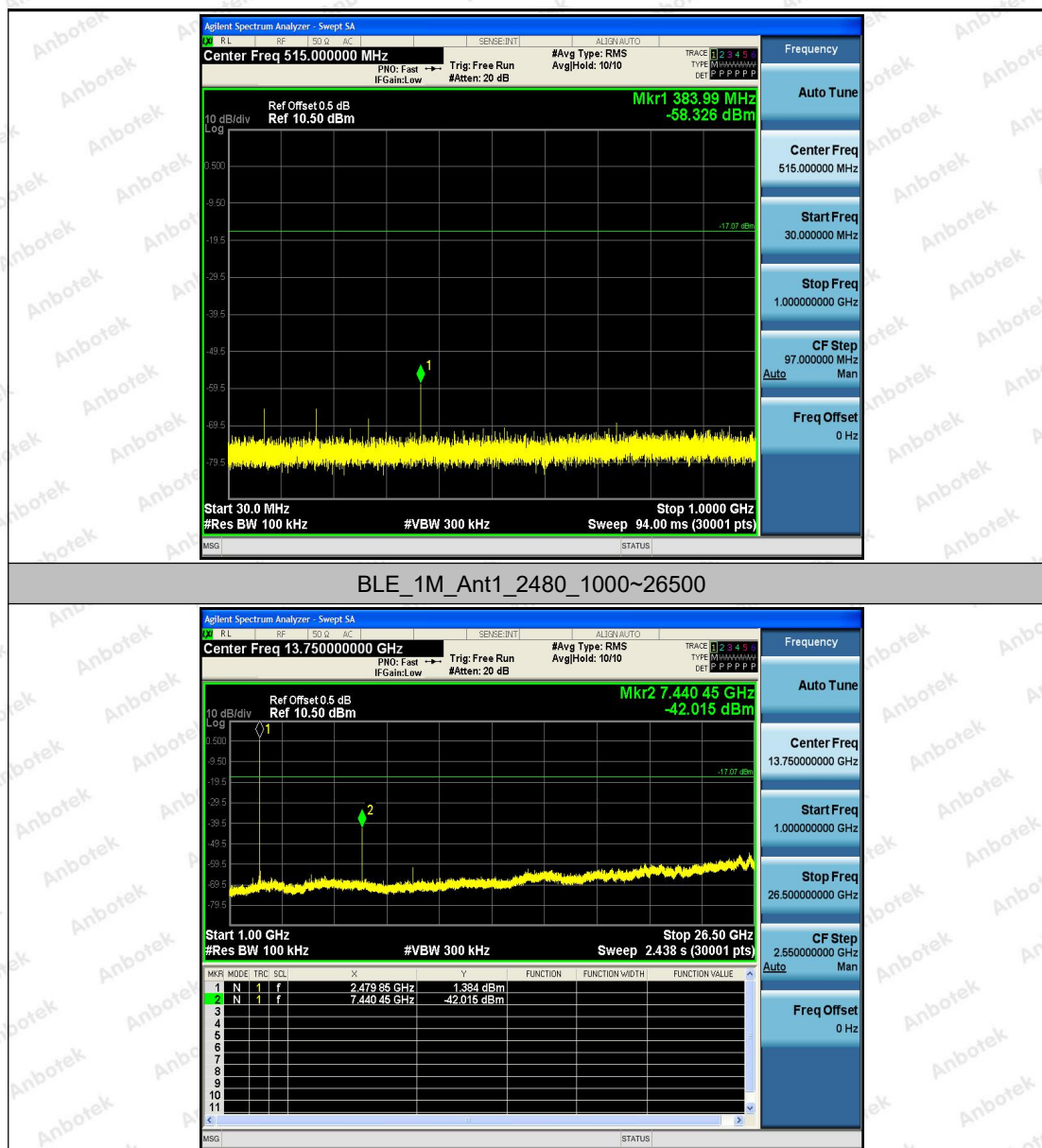
BLE_1M_Ant1_2480_30~1000

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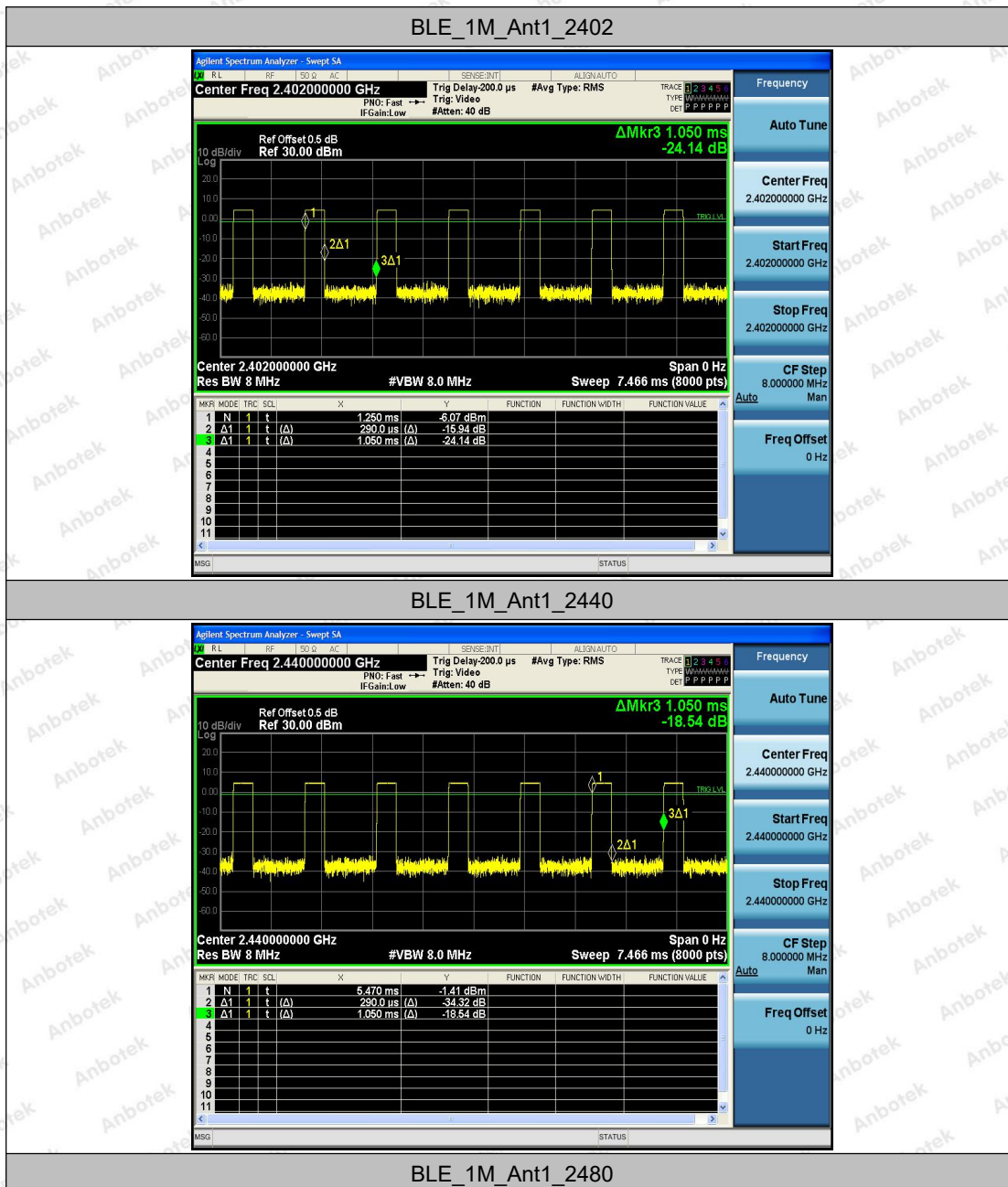
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.29	1.05	0.276 2	27.62	5.59	---	PASS
		2440	0.29	1.05	0.276 2	27.62	5.59	---	PASS
		2480	0.29	1.06	0.273 6	27.36	5.63	---	PASS

Test Graphs



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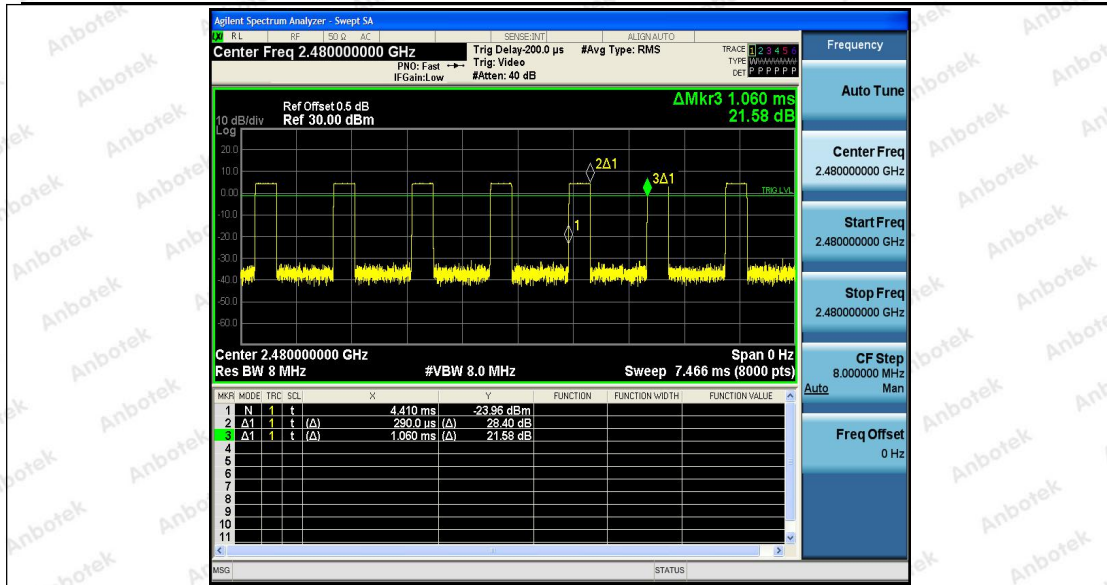
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